

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
February 2002

Gray Davis
Governor
State of California

Mary D. Nichols
Secretary for Resources
The Resources Agency

Thomas M. Hannigan
Director
Department of Water Resource

State of California
GRAY DAVIS, Governor

The Resources Agency
MARY D. NICHOLS, Secretary for Resources

Department of Water Resources
THOMAS M. HANNIGAN, Director

Department of Water Resources
STEVE MACAULAY, Chief Deputy Director

RAY HART
Deputy Director

JONAS M. MINTON
Deputy Director

DIVISION OF OPERATIONS AND MAINTENANCE

Stephen L. Kashiwada.....Chief, Division of Operations and Maintenance
Ralph Torres.....Assistant to the Division Chief

This report was prepared under the direction of

Carl TorgersenChief, Operations Control Office
Curtis CreelChief, Operations Planning Branch

By the
Operations Records and Reports Section

Guy MasierSection Chief
Michael NolascoWater Resources Engineering Associate (Spec.)
Warren DibbenWater Resources Technician II

The organization shown above represents staff and positions relevant to this report as of publication date on August 8, 2002. It is the department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of February 2002.

Statewide precipitation was 90 percent of average for the 2001-2002 water year as of February 28. Statewide runoff was 85 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: http://cdec.water.ca.gov/snow_rain.html.

On February 28, total storage in major SWP reservoirs was about 3.8 MAF, compared with about 3.2 MAF at this time in 2001. End of month storage at Lake Oroville was about 2.14 MAF as compared to 1.84 MAF last year. The State's share of San Luis Reservoir storage was about 1.03 MAF, as compared with 748 TAF at this time last year. The combined storage in our southern reservoirs was about 617 TAF, compared with about 633 TAF at this time last year.

Through February, SWP water deliveries for 2002 were about 366 TAF. This is a combination of project, transfer, and exchange waters. This is 119 TAF more than delivered during the same period in 2001.

Excess conditions continued throughout the month. The fishery agencies agreed to flex the Export/Inflow (E/I) ratio (up to 45 percent) between February 1 and 16, and between February 19 and 26. Two conditions were identified that would discontinue the action if either criterion occurred. The water associated with the increase of the E/I Ratio standard was pumped by SWP and stored in San Luis Reservoir. The EWA obtained a total of 75,952 acre-feet of water during this 24-day period. These EWA assets were to be used prior to the end of February or beginning of March for an EWA fishery action. However, it was recognized that if an action did not occur, then these EWA assets would continue to be stored in San Luis Reservoir (even though the possibility existed that these EWA assets could convert to Project water should San Luis Reservoir fill. In this case, Delta pumping would be reduced by an amount equal to the rate the EWA water would convert to SWP water). By February 26, 2002, the E/I Ratio relaxation ended due to the presence of fish collected at the CVP and SWP export facilities.

Even with near average precipitation, SWP allocations were still relatively low at 45 percent due to low Project carryover storage and conservative runoff forecasts for the remainder of the year; both influenced by the dry conditions in the previous water year.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	4993.33	15,317								
1	4993.35	15,332	15	5	0	0	0			
2	4993.35	15,332	0	5	0	0	0			
3	4993.36	15,339	7	5	0	0	0			
4	4993.36	15,339	0	5	0	0	0			
5	4993.37	15,347	8	5	0	0	0			
6	4993.37	15,347	0	5	0	0	0			
7	4993.44	15,398	51	5	0	0	0			
8	4993.45	15,406	8	5	0	0	0			
9	4993.46	15,413	7	5	0	0	0			
10	4993.49	15,436	23	5	0	0	0			
11	4993.50	15,443	7	5	0	0	0			
12	4993.51	15,451	8	5	0	0	0			
13	4993.52	15,458	7	5	0	0	0			
14	4993.55	15,480	22	5	0	0	0			
15	4993.57	15,495	15	5	0	0	0			
16	4993.59	15,510	15	5	0	0	0			
17	4993.62	15,533	23	5	0	0	0			
18	4993.64	15,547	14	5	0	0	0			
19	4993.74	15,622	75	5	0	0	0			
20	4993.87	15,720	98	5	0	0	0			
21	4994.00	15,818	98	5	0	0	0			
22	4994.12	15,909	91	5	0	0	0			
23	4994.24	16,000	91	5	0	0	0			
24	4994.36	16,091	91	5	0	0	0			
25	4994.44	16,152	61	5	0	0	0			
26	4994.53	16,221	69	5	0	0	0			
27	4994.60	16,275	54	5	0	0	0			
28	4994.69	16,344	69	5	0	0	0			
Total cfs-days				---	140	0	0	30	170	688
Total ac-ft				1,027	278	0	0	59	337	1,364

1/ Values not available on a daily basis.

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	5568.69	29,945								
1	5568.68	29,935	-10	2	0	0	0			
2	5568.68	29,935	0	2	0	0	0			
3	5568.68	29,935	0	2	0	0	0			
4	5568.71	29,967	32	2	0	0	0			
5	5568.73	29,988	21	2	0	0	0			
6	5568.71	29,967	-21	2	0	0	0			
7	2256.78	30,042	75	2	0	0	0			
8	5568.76	30,021	-21	2	0	0	0			
9	5568.80	30,064	43	2	0	0	0			
10	5568.80	30,064	0	2	0	0	0			
11	5568.80	30,064	0	2	0	0	0			
12	5568.78	30,042	-22	2	0	0	0			
13	5568.79	30,053	11	2	0	0	0			
14	5568.80	30,064	11	2	0	0	0			
15	5568.81	30,074	10	2	0	0	0			
16	5568.82	30,085	11	2	0	0	0			
17	5568.83	30,096	11	2	0	0	0			
18	5568.84	30,107	11	2	0	0	0			
19	5568.86	30,128	21	2	0	0	0			
20	5568.94	30,214	86	2	0	0	0			
21	5568.97	30,247	33	2	0	0	0			
22	5569.03	30,311	64	2	0	0	0			
23	5569.12	30,409	98	2	0	0	0			
24	5569.19	30,484	75	2	0	0	0			
25	5569.25	30,550	66	2	0	0	0			
26	5569.29	30,593	43	2	0	0	0			
27	5569.36	30,669	76	2	0	0	0			
28	5569.41	30,723	54	2	0	0	0			
Total cfs-days				- - -	56	0	0	0	38	
Total ac-ft				778	111	0	0	0	75	
									186	
									964	

1/ Values not available on a daily basis.

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Jan 31	5763.89	46,037								
1	5763.89	46,037	0	10	0	0	0			
2	5763.89	46,037	0	10	0	0	0			
3	5763.89	46,037	0	10	0	0	0			
4	5763.88	46,009	-28	10	0	0	0			
5	5763.87	45,980	-29	10	0	0	0			
6	5763.86	45,951	-29	10	0	0	0			
7	5763.89	46,037	86	10	0	0	0			
8	5763.89	46,037	0	10	0	0	0			
9	5763.89	46,037	0	10	0	0	0			
10	5763.89	46,037	0	10	0	0	0			
11	5763.89	46,037	0	10	0	0	0			
12	5763.89	46,037	0	10	0	0	0			
13	5763.89	46,037	0	10	0	0	0			
14	5763.89	46,037	0	10	0	0	0			
15	5763.89	46,037	0	10	0	0	0			
16	5763.89	46,037	0	10	0	0	0			
17	5763.89	46,037	0	10	0	0	0			
18	5763.89	46,037	0	10	0	0	0			
19	5763.89	46,037	0	10	0	0	0			
20	5763.93	46,152	115	10	0	0	0			
21	5763.96	46,238	86	10	0	0	0			
22	5764.00	46,354	116	10	0	0	0			
23	5764.04	46,469	115	10	0	0	0			
24	5764.07	46,555	86	10	0	0	0			
25	5764.10	46,642	87	10	0	0	0			
26	5764.13	46,729	87	10	0	0	0			
27	5764.15	46,787	58	10	0	0	0			
28	5764.17	46,845	58	10	0	0	0			
Total cfs-days			---	280	0	0	0	116	396	
Total ac-ft			808	555	0	0	0	230	785	
									1,593	

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Jan 31	774.37	1,915,916	1,919,505	3,589	1,993	0	29	0	2,022	0
1	774.72	1,919,505								
2	775.17	1,924,127								
3	775.69	1,929,477								
4	775.91	1,931,745								
5	776.17	1,934,426								
6	776.48	1,937,627								
7	776.90	1,941,970								
8	777.78	1,951,091								
9	778.39	1,957,432								
10	779.83	1,972,461		15,029	60	0	77	0	137	8,449
11	780.23	1,976,651								
12	780.64	1,980,951		4,300	2,826	0	42	0	2,868	0
13	780.90	1,983,682								
14	781.24	1,987,257		3,575	3,226	0	54	0	3,377	0
15	781.54	1,990,416								
16	782.02	1,995,477		5,061	1,436	0	0	0	1,436	0
17	782.48	2,000,335								
18	782.90	2,004,779		4,444	2,352	0	18	0	2,370	0
19	783.52	2,011,351								
20	785.01	2,027,210		15,859	2,652	0	0	0	2,652	0
21	786.23	2,040,261								
22	787.31	2,051,864		11,603	1,891	0	24	0	1,915	0
23	788.67	2,066,543								
24	790.43	2,085,650		19,107	0	0	80	0	80	6,769
25	791.59	2,098,311								
26	792.38	2,106,965		8,654	2,264	0	87	0	2,351	17
27	792.97	2,113,445								
28	793.58	2,120,159		6,714	2,531	0	100	0	2,964	0
Total				204,243	58,635	0	1,337	0	59,972	19,127
										245,088

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

February 2002

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Jan 31	23,257										
1	23,276	19	1,993	505	0	1,286	0	0	1,228	0	35
2	23,857	581	1,790	514	0	527	0	0	1,226	0	30
3	23,422	-435	1,367	512	0	1,091	0	0	1,226	0	3
4	23,196	-226	3,576	502	0	3,160	0	0	1,228	0	84
5	23,205	9	2,417	507	0	1,723	0	0	1,228	0	36
6	23,435	230	2,497	512	0	1,602	0	0	1,226	0	49
7	23,667	232	2,869	545	0	2,020	0	0	1,228	0	66
8	23,732	65	1,563	472	0	787	0	0	1,230	0	47
9	24,556	824	1,891	510	261	335	0	0	1,228	200	-75
10	22,466	-2,090	60	514	7,500	0	0	0	1,226	8,449	-489
11	23,470	1,004	2,652	508	40	1,246	0	0	1,226	12	288
12	23,359	-111	2,826	510	0	2,273	0	0	1,228	0	54
13	23,207	-152	3,323	512	0	2,828	0	0	1,228	0	69
14	23,258	51	3,226	507	0	2,508	1	0	1,230	0	57
15	23,424	166	2,340	514	0	1,480	1	0	1,228	0	21
16	23,591	167	1,436	505	0	610	1	0	1,228	0	65
17	23,320	-271	1,532	530	0	1,197	1	0	1,228	0	93
18	23,594	274	2,352	507	0	1,349	1	0	1,230	0	-5
19	23,085	-509	3,352	599	0	3,396	1	0	1,233	0	170
20	23,398	313	2,652	403	0	1,755	1	0	1,228	0	242
21	23,882	484	1,901	508	0	776	1	0	1,228	0	80
22	24,928	1,046	1,891	510	0	120	1	0	1,230	0	-4
23	23,996	-932	99	514	352	120	1	0	1,232	521	-23
24	24,165	169	0	504	7,763	94	1	0	1,228	6,769	-6
25	24,443	278	1,371	510	3,459	750	1	0	1,228	3,159	76
26	24,421	-22	2,264	505	0	1,594	1	0	1,230	17	51
27	24,336	-85	2,864	510	0	2,258	1	0	1,228	0	28
28	25,045	709	2,531	508	0	1,100	1	0	1,222	0	-7
Total		1,788	58,635	14,257	19,375	37,985	15	0	34,387	19,127	1,035

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jan 31	133.18	43,529										
1	133.18	43,529	0	1,286	0	0	0	0	1,155	0	-131	2,383
2	133.02	42,918	-611	527	0	0	0	0	1,155	0	17	2,381
3	132.98	42,766	-152	1,091	0	0	0	0	1,148	0	-95	2,374
4	133.47	44,646	1,880	3,160	0	0	0	0	1,157	0	-123	2,385
5	133.60	45,151	505	1,723	0	0	0	0	1,152	0	-66	2,380
6	133.70	45,541	390	1,602	0	0	0	0	1,158	0	-54	2,384
7	133.91	46,365	824	2,020	0	0	0	0	1,160	0	-36	2,388
8	133.76	45,776	-589	787	0	0	0	0	1,160	0	-216	2,390
9	133.46	44,607	-1,169	335	0	0	0	0	1,176	261	-67	2,404
10	131.20	36,256	-8,351	0	0	0	0	0	1,150	7,500	299	2,376
11	131.15	36,080	-176	1,246	0	0	0	0	1,139	40	-243	2,365
12	131.46	37,175	1,095	2,273	0	0	0	0	1,142	0	-36	2,370
13	131.89	38,720	1,545	2,828	0	0	0	0	1,158	0	-125	2,386
14	132.21	39,888	1,168	2,508	0	0	0	0	1,166	0	-174	2,396
15	132.27	40,109	221	1,480	0	0	0	0	1,160	0	-99	2,388
16	132.12	39,558	-551	610	0	0	0	0	1,166	0	5	2,394
17	132.13	39,595	37	1,197	0	0	0	0	1,166	0	6	2,394
18	132.16	39,705	110	1,349	0	0	0	0	1,172	0	-67	2,402
19	132.84	42,236	2,531	3,396	0	0	0	0	1,164	0	299	2,397
20	132.90	42,463	227	1,755	0	0	0	0	1,152	0	-376	2,380
21	132.78	42,010	-453	776	0	0	0	0	1,158	0	-71	2,386
22	132.54	41,110	-900	120	0	0	0	0	1,150	0	130	2,380
23	132.14	39,631	-1,479	120	0	0	0	0	1,148	352	-99	2,380
24	129.60	30,835	-8,796	94	0	0	0	0	1,157	7,763	30	2,385
25	128.38	26,981	-3,854	750	0	0	0	0	1,144	3,459	-1	2,372
26	128.50	27,349	368	1,594	0	0	0	0	1,144	0	-82	2,374
27	128.82	28,343	994	2,258	0	0	0	0	1,148	0	-116	2,376
28	128.74	28,093	-250	1,100	0	0	0	0	1,155	0	-195	2,377
Total			-15,436	37,985	0	0	0	0	32,360	19,375	-1,686	66,747

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

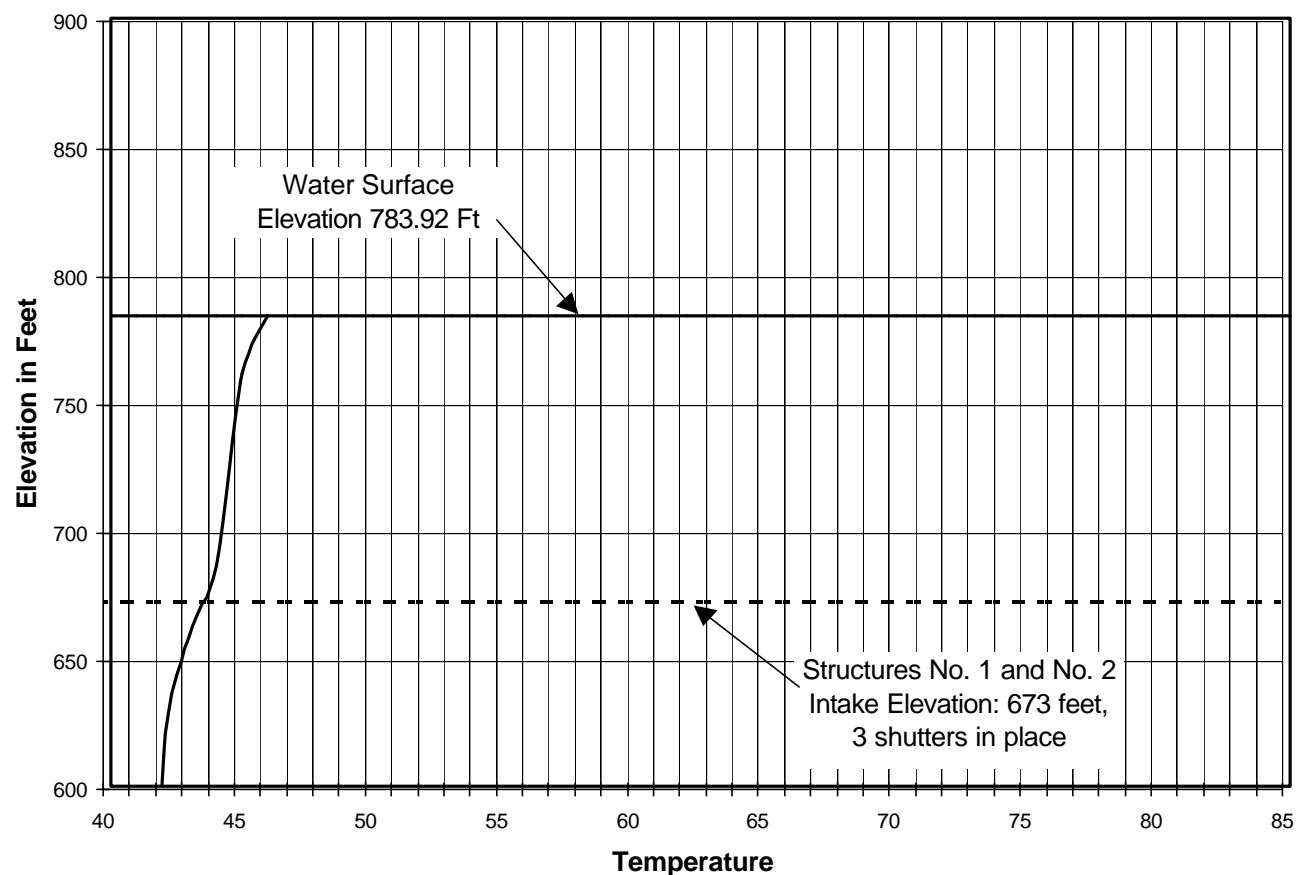
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

February 2002

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	43	46
2	44	46
3	44	46
4	45	46
5	45	46
6	45	46
7	45	46
8	46	46
9	46	47
10	47	47
11	47	48
12	48	47
13	48	47
14	49	47
15	48	47
16	49	47
17	49	47
18	49	47
19	49	47
20	50	47
21	51	47
22	51	47
23	52	47
24	53	49
25	54	51
26	55	51
27	55	50
28	55	49

**Lake Oroville Temperature Profile
on February 20, 2002**

Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending					Entitlement			2001-2 Carry-over Special		
	No.	Structure	Mile			M & I	Benicia	Vallejo			
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	1,035				99		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis Turnout	99						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	0						
				Solano County Water Agency Fairfield / Vacaville 42"	0						
			17.00	Solano County Water Agency Central Solano	Stub						
2	3A	Cordelia Forebay	21.23								
		Cordelia Pumping Plant & Cordelia Spillway	21.30		921						
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	417				417		
				Solano County Water Agency Benicia	385						
3B	2	Cordelia Surge Tank	23.33								
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	1				1		
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	24				24		
			27.60	Napa County Flood Control & WCD American Canyon 1	94						

Table 9. Delta Field Division Plant Data

(in acre-feet)

February 2002

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	23	18	10,986	10,986	0	0	0	85
2	20	18	11,268	11,268	0	0	0	82
3	11	14	11,061	11,061	0	0	0	81
4	25	20	10,840	10,840	0	0	0	90
5	25	24	11,094	11,094	0	0	0	98
6	45	38	11,064	11,064	0	0	0	98
7	55	48	11,053	11,053	0	0	0	99
8	64	60	11,064	11,064	0	0	0	98
9	57	55	11,100	11,100	0	0	0	98
10	61	61	11,165	11,165	0	0	0	98
11	61	58	10,340	10,340	0	0	0	98
12	66	58	10,298	10,298	0	0	0	98
13	50	46	10,122	10,122	0	0	0	94
14	50	42	10,024	10,024	0	0	0	85
15	43	37	8,276	8,276	0	0	0	85
16	41	37	7,382	7,382	0	0	0	88
17	15	18	6,357	6,357	0	0	0	91
18	23	18	5,978	5,978	0	0	0	91
19	25	17	5,066	5,066	0	0	0	89
20	23	19	8,826	8,826	0	0	0	90
21	42	34	9,393	9,393	0	0	0	92
22	44	40	10,424	10,424	0	0	0	90
23	43	40	10,760	10,760	0	0	0	95
24	36	36	12,913	12,913	0	0	0	98
25	15	14	12,956	12,956	0	0	0	98
26	21	13	10,169	10,169	0	0	0	99
27	23	14	7,974	7,974	0	0	0	97
28	28	24	6,531	6,531	16	0	0	98
Total	1,035	921	274,484	274,484	16	0	0	2,603

Table 10. Clifton Court Forebay

Daily Operation of Gates

February 2002

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	---	2:37	5:37	14:40	16:40	20:07	22:34	---	10,878
2	---	3:23	6:30	15:22	22:34	---			10,903
3	---	4:09	11:32	17:19	20:19	---			10,996
4	---	9:01	12:19	17:20	22:00	---			10,711
5	---	10:03	13:12	17:00	22:50	---			10,901
6	---	11:12	14:09	17:11					10,914
7	0:01	12:21	15:05	17:30					10,902
8	0:53	13:27							10,892
9	1:40	14:22							10,886
10	2:21	15:09	17:46	20:26					10,907
11	3:00	15:50	23:31	---					10,898
12	---	0:30	3:31	15:30	23:00	---			10,298
13	---	1:03	4:03	12:17	23:30	---			10,294
14	---	1:32	4:32	12:27					9,895
15	0:01	2:01	5:01	10:58					7,911
16	0:01	2:29	5:29	10:49					6,931
17	0:01	3:01	10:35	14:10					5,949
18	0:08	7:33	11:00	12:38					5,893
19	0:05	8:04	11:35	14:10	20:49	---			8,526
20	---	9:40	12:15	17:00	22:10	---			8,890
21	---	10:15	13:15	17:17	23:30	---			9,070
22	---	11:32	14:09	17:30					10,295
23	0:15	12:41	15:08	18:00	18:40	19:55			10,502
24	1:00	13:39	16:07	20:00					13,279
25	1:37	14:29	17:02	20:45					13,085
26	2:23	11:09	17:59	21:10					9,911
27	3:06	10:18	23:25						7,931
28	---	0:46	3:50	11:45	23:41	---			7,930
Total inflow for the month in AF:									276,378

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	USBR	Local	Loan Water	2002-2002 Carryover Special		
	No.	Structure	Mile									
1	Banks Pumping Plant	3.32			274,484							
2A	1	South Bay Pumping Plant	4.49	Bethany Reservoir inlet	16	43	43	14	37	33		
		Check No. 1	5.95									
		Check No. 2	12.01									
	3		12.47	Musco Olive	43							
		Check No. 3	18.29									
	4		22.16	Tracy Golf & Country Club	0							
		Check No. 4	23.99									
	5	Check No. 5	29.73									
	6	Check No. 6	34.24									
	7		35.22	Turlock Fruit Company Inflow	0							
		Check No. 7	39.91									
2B	8		42.46	Oak Flat Water District-A	14	84	0	0	0	84		
			42.9	Western Hills WD	0							
			43.81	Oak Flat Water District-B	37							
			44.64	Oak Flat Water District-C	0							
		Check No. 8	45.97									
	9		46.18	Oak Flat Water District-D	33							
				Oak Flat Totals:	84		0	0	0	84		
	Check No. 9	51.3										
	10	Check No. 10	56.86									
	11	Check No. 11	61.4									
	12		66.14	Veteran's Cemetery	2	261,115	2	0	0	0		
		Check No. 12	66.71									

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

February 2002

(In acre-feet)

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.			Entitlement	Other	Local	Recreation	
	No.	Structure	Mile							
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	0	580	1/ 17	250	2	
			3.17	Granite - Vasco Rd. (Temp.)	0					
			3.18	Oakland Scavenger Zone 7	0					
		Check No. 1	3.91							
	2	Check No. 2	5.21							
2	3		7.21	Zone 7 Altamont	0	5	207	208		
		Check No. 3	9.49	Zone 7 Patterson Stored Exchange	0					
				Zone 7 Patterson Project Water	0					
4	4	Check No. 4	10.68			2	2	2		
	5	Check No. 5	12.29							
	6		13.55	Zone 7 Wente #1	0					
			14.16	Zone 7 Wente #2	0					
			14.31	Ising Project Water	0					
		Check No. 6	14.65							
	7		14.78	Zone 7 Arroyo Mocho	0					
		Check No. 7	16.38							
5	8		16.57	Zone 7 Wente #3	0	5	1/ 17	250	2	
			16.69	Zone 7 Norman Nursery	0					
			16.70	Zone 7 Concannon Project Water	0					
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0					
				(Flow into South Bay Aqueduct)	2,596					
				Arroyo Valle #1 & #2 Project Water	0					
		Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Inflow Released	250					
				Lake Del Valle Recreation	2					
				Zone 7 Wente #5	5					
				So. Livermore Project	597					
6	8		19.20	So. Livermore Inflow Released	207	2	2	208		
				So. Livermore Stored Exchanged	0					
			19.21	Zone 7 - Kaitrof Detjens	0					
		La Costa Tunnel	22.50	ACWD Vallecitos Project Water	0					
7			25.97	City of San Francisco San Antonio	0					
8	Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water: Inflow Released Stored Exchange:	1,345 208 0	2	2/ 1,345	208			
	Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	0						

1/ Extended Carryover.

2/ 2001-2002 Special Carryover.

Table 13. Lake Del Valle
Daily Operation

Capacity: 77,106 ac-ft

(in acre-feet except as noted)

February 2002

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Jan 31	697.79	36,331									
1	697.64	36,233	-98	-10	0	0	85	0	3	88	0.00
2	697.60	36,207	-26	58	0	0	82	0	2	84	0.00
3	697.47	36,120	-87	-3	0	0	81	0	3	84	0.00
4	697.34	36,034	-86	7	0	0	90	0	3	93	0.00
5	697.22	35,954	-80	21	0	0	98	0	3	101	0.00
6	697.09	35,868	-86	14	0	0	97	0	3	100	0.00
7	696.99	35,802	-66	36	0	0	99	0	3	102	0.00
8	696.92	35,756	-46	54	0	0	97	0	3	100	0.29
9	696.78	35,663	-93	8	0	0	97	0	4	101	0.01
10	696.62	35,557	-106	-5	0	0	97	0	4	101	0.00
11	696.52	35,492	-65	35	0	0	97	0	3	100	0.00
12	696.39	35,406	-86	14	0	0	97	0	3	100	0.00
13	696.27	35,327	-79	19	0	0	94	0	4	98	0.00
14	696.18	35,268	-59	29	0	0	85	0	3	88	0.00
15	696.10	35,216	-52	35	0	0	85	0	2	87	0.00
16	695.96	35,123	-93	-2	0	0	88	0	3	91	0.00
17	695.89	35,078	-45	47	0	0	90	0	2	92	0.53
18	695.80	35,019	-59	34	0	0	91	0	2	93	0.08
19	695.71	34,961	-58	33	0	0	89	0	2	91	0.11
20	695.63	34,909	-52	40	0	0	90	0	2	92	0.00
21	695.53	34,844	-65	30	0	0	92	0	3	95	0.00
22	695.45	34,793	-51	42	0	0	90	0	3	93	0.00
23	695.34	34,721	-72	27	0	0	95	0	4	99	0.04
24	695.22	34,644	-77	25	0	0	98	0	4	102	0.00
25	695.12	34,579	-65	37	0	0	98	0	4	102	0.00
26	694.97	34,483	-96	9	0	0	99	0	6	105	0.00
27	694.81	34,380	-103	2	0	0	97	1	7	105	0.00
28	694.69	34,303	-77	29	0	0	98	1	7	106	0.00
Total			-2,028	665	0	0	2,596	2	95	2,693	1.06

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

February 2002

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv- eries 2/		
Jan 31	223.82	53,242											
1	223.67	52,840	-402	0	3,046	0	5,758	0	5,577	3,511	10	91	
2	223.39	52,089	-751	0	3,083	0	5,517	0	5,381	3,643	9	54	
3	222.00	48,385	-3,704	0	3,077	0	5,424	0	6,614	4,025	9	280	
4	222.30	49,182	797	0	2,923	0	4,743	0	4,224	3,285	10	255	
5	222.97	50,966	1,784	0	2,681	0	4,973	0	4,467	3,153	10	875	
6	222.00	48,385	-2,581	0	2,279	0	5,015	0	4,970	3,901	9	285	
7	221.55	47,204	-1,181	0	2,156	0	5,179	0	4,049	4,215	9	343	
8	221.73	47,677	473	0	2,196	0	5,536	0	3,352	4,150	8	16	
9	220.90	45,498	-2,179	0	2,081	0	5,272	0	3,678	4,771	7	4	
10	219.61	42,145	-3,353	0	2,058	0	5,229	0	4,208	4,887	9	127	
11	219.42	41,656	-489	0	2,048	0	5,239	0	3,447	3,928	12	-147	
12	218.72	39,876	-1,780	0	1,901	0	4,596	0	3,103	4,549	11	269	
13	218.68	39,775	-101	0	1,680	0	5,162	0	2,275	4,863	17	262	
14	218.97	40,508	733	0	1,421	0	4,724	0	945	5,062	10	242	
15	219.07	40,762	254	0	1,227	0	4,011	0	0	5,313	10	213	
16	220.13	43,489	2,727	0	1,189	1,742	3,510	0	0	4,991	10	-65	
17	219.25	41,221	-2,268	0	1,192	0	3,037	0	0	5,493	11	132	
18	220.10	43,411	2,190	0	1,235	867	2,776	0	0	3,762	11	-1	
19	220.10	43,411	0	0	1,206	780	2,493	0	0	4,479	12	12	
20	221.48	47,020	3,609	0	1,103	1,400	4,489	0	274	4,085	12	-801	
21	222.26	49,075	2,055	0	969	690	4,375	0	52	4,907	16	-23	
22	223.05	51,180	2,105	0	904	1,205	5,018	0	1,609	4,444	17	4	
23	224.48	55,022	3,842	0	897	1,545	5,330	0	1,926	3,955	13	59	
24	221.67	47,519	-7,503	0	871	0	6,177	0	4,417	6,092	20	-302	
25	222.08	48,597	1,078	0	755	953	6,114	0	3,324	4,230	15	290	
26	221.68	47,546	-1,051	0	681	952	4,936	0	2,681	4,468	23	73	
27	221.07	45,944	-1,602	0	1,060	867	3,973	0	2,770	4,338	24	424	
28	219.40	41,605	-4,339	0	1,340	0	3,037	0	3,207	3,654	22	318	
Total				-11,637	0	47,259	11,001	131,643	0	76,550	122,154	356	3,290
Mean cfs				---	0	1,688	393	4,702	0	2,734	4,363	13	118
Acre-feet				-11,637	0	93,737	21,820	261,115	0	151,834	242,296	707	6,528

1/ Pump-in located at Mile 79.67R.

2/ Includes 63 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks and Recreation, 1 AF to P&R Cattle, and 642 AF to San Luis Water District

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

February 2002

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Jan 31	525.28	1,807,066						
1	526.15	1,817,698	10,632	5,577	0	154	0	-63
2	526.99	1,827,984	10,286	5,381	0	155	0	-40
3	528.03	1,840,746	12,762	6,614	0	156	0	-24
4	528.68	1,848,739	7,993	4,224	0	162	0	-32
5	529.37	1,857,236	8,497	4,467	0	151	0	-32
6	530.14	1,866,734	9,498	4,970	0	153	0	-28
7	530.76	1,874,394	7,660	4,049	0	159	0	-28
8	531.27	1,880,704	6,310	3,352	0	151	0	-20
9	531.83	1,887,640	6,936	3,678	0	141	0	-40
10	532.47	1,895,578	7,938	4,208	0	154	0	-52
11	532.99	1,902,037	6,459	3,447	0	167	0	-24
12	533.45	1,907,756	5,719	3,103	0	184	0	-36
13	533.78	1,911,863	4,107	2,275	0	168	0	-36
14	533.90	1,913,357	1,494	945	0	180	0	-12
15	533.90	1,913,357	0	0	0	176	0	176
16	533.60	1,909,622	-3,735	0	1,742	187	0	46
17	533.58	1,909,373	-249	0	0	178	0	52
18	533.40	1,907,134	-2,239	0	867	177	0	-85
19	533.27	1,905,517	-1,617	0	780	167	0	132
20	533.06	1,902,907	-2,610	274	1,400	174	0	-16
21	532.92	1,901,167	-1,740	52	690	191	0	-48
22	532.95	1,901,539	372	1,609	1,205	192	0	-24
23	532.97	1,901,788	249	1,926	1,545	223	0	-32
24	533.63	1,909,996	8,208	4,417	0	223	0	-56
25	533.96	1,914,104	4,108	3,324	953	219	0	-81
26	534.19	1,916,969	2,865	2,681	952	233	0	-52
27	534.43	1,919,961	2,992	2,770	867	346	0	-49
28	534.86	1,925,324	5,363	3,207	0	455	0	-48
Total			118,258	76,550	11,001	5,376	0	-551
Mean cfs			---	2,734	393	192	0	-20
Acre-feet			118,258	151,834	21,820	10,666	0	-1,093

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 9,306 AF, San Benito: 1,360 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

February 2002

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	6,965	4,866	0	0	11,062	7,622	306
2	7,226	5,151	0	0	10,673	7,203	307
3	7,983	5,861	0	0	13,119	4,380	309
4	6,515	4,432	0	0	8,378	5,175	322
5	6,254	4,167	0	0	8,860	5,397	299
6	7,738	5,648	0	0	9,858	7,700	304
7	8,361	5,515	0	0	8,031	5,796	315
8	8,231	5,410	0	0	6,649	6,649	300
9	9,464	6,729	0	0	7,295	5,587	279
10	9,693	6,920	0	0	8,347	2,159	306
11	7,792	5,008	0	0	6,837	5,803	331
12	9,023	6,235	0	0	6,155	5,043	364
13	9,645	6,837	0	0	4,512	4,512	334
14	10,041	7,231	0	0	1,874	1,874	357
15	10,538	6,797	0	0	0	0	350
16	9,899	6,189	3,455	-41	0	0	370
17	10,896	7,043	0	0	0	0	353
18	7,462	3,694	1,719	-44	0	0	352
19	8,884	5,116	1,547	-61	0	0	332
20	8,103	4,329	2,777	-129	543	543	346
21	9,734	5,929	1,369	-79	103	103	378
22	8,814	4,992	2,390	-109	3,191	3,191	380
23	7,845	4,017	3,065	-186	3,820	3,820	442
24	12,084	8,204	0	0	8,761	8,761	443
25	8,391	4,583	1,891	-260	6,593	6,593	434
26	8,863	5,121	1,888	-248	5,318	5,318	463
27	8,604	4,854	1,719	-403	5,494	5,494	687
28	7,248	3,474	0	0	6,361	6,361	903
Total	242,296	154,352	21,820	-1,560	151,834	115,084	10,666

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

February 2002

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jan 31	327.25	20,318					
1	327.26	20,323	5	3	0	0	0
2	327.27	20,328	5	3	0	0	-1
3	327.29	20,337	9	5	0	0	-1
4	327.30	20,342	5	3	0	0	-1
5	327.31	20,346	4	2	0	0	0
6	327.33	20,356	10	5	0	0	0
7	327.34	20,360	4	2	0	0	0
8	327.38	20,379	19	10	0	0	-1
9	327.46	20,416	37	19	0	0	-1
10	327.52	20,444	28	14	0	0	0
11	327.56	20,463	19	10	0	0	-1
12	327.60	20,482	19	10	0	0	-1
13	327.62	20,491	9	5	0	0	-1
14	327.66	20,510	19	10	0	0	-1
15	327.68	20,519	9	5	0	0	-1
16	327.71	20,533	14	7	0	0	0
17	327.73	20,543	10	5	0	0	0
18	327.76	20,557	14	7	0	0	0
19	327.79	20,571	14	7	0	0	0
20	327.55	20,458	-113	7	0	64	0
21	327.43	20,402	-56	5	0	33	0
22	327.46	20,416	14	7	0	0	0
23	327.47	20,421	5	3	0	0	0
24	327.49	20,430	9	5	0	0	-1
25	327.51	20,440	10	5	0	0	0
26	327.53	20,449	9	5	0	0	-1
27	327.56	20,463	14	7	0	0	0
28	327.57	20,468	5	3	0	0	-1
Total			150	179	0	97	-13
Mean cfs			---	6	0	3	---
Acre-feet			150	355	0	192	-13

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

February 2002

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Jan 31	602.65	829					
1	Not Observed			2	0	0	
2	Not Observed			2	0	0	
3	Not Observed			2	0	0	
4	Not Observed			2	0	0	
5	Not Observed			2	0	0	
6	Not Observed			2	0	0	
7	Not Observed			2	0	0	
8	602.65	829		2	0	0	
9	Not Observed			2	0	0	
10	Not Observed			2	0	0	
11	Not Observed			2	0	0	
12	602.65	829		2	0	0	
13	Not Observed			2	0	0	
14	Not Observed			2	0	0	
15	602.60	826	-3	0	0	0	
16	602.60	826		2	0	0	
17	602.60	826		2	0	0	
18	602.65	829	3	4	0	0	
19	Not Observed			2	0	0	
20	Not Observed			2	0	0	
21	Not Observed			2	0	0	
22	602.60	826	-3	0	0	0	
23	Not Observed			2	0	0	
24	Not Observed			2	0	0	
25	Not Observed			2	0	0	
26	Not Observed			2	0	0	
27	Not Observed			2	0	0	
28	602.60	826		2	0	0	
Total			-3	54	0	0	---
Mean cfs			---	2	0	0	---
Acre-feet			-3	107	0	0	-110

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct
 San Luis Field Division, Monthly Deliveries

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		No.			USBR	Transfer	DWR Recreation	USBR Recreation	
	No.	Structure	Mile							
2B	12	Check No. 12	66.71		261,115					
3A		San Luis Reservoir		Department of Parks and Recreation	0	9,306		1	28	
				San Felipe Division Santa Clara Water District	9,306					
				San Felipe Division San Benito Water District	1,360					
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	1			1	28	
				Cattle Program	1					
				Department of Fish & Game	63					
			70.91	San Luis Water District	642	642		37	28	
				(Floodwater Inflow)	0					
				Reach 3 Subtotal:	707	642	0	37	28	
			86.73	Check No. 13						
				Dos Amigos Pumping Plant	242,296					
4	14		89.03	San Luis Water District	5,017	5,017				
			Thru 94.06							
			89.66	Pacheco Water District	708		708	26	67	
			Thru 89.67							
			89.68	Panoche Water District	26					
			89.70	City of Dos Palos	67	683				
			Check No. 14	95.06						
	15		98.15	San Luis Water District	683		4,800	1	8,527	
			Thru 104.20							
			96.15	Panoche Water District	4,800					
			Thru 102.64	(Floodwater Inflow)	0					
			102.64	Broadview Water District	1					
			105.22	Westlands Water District	8,527					
			Thru 108.64							
			Check No.15	108.50						
			San Felipe Division Total:	10,666	10,666	0	0	0	0	
			Pacheco Water District Total:	708	708	0	0	0	0	
			Broadview Water District Total:	1	1	0	0	0	0	
			City of Dos Palos Total:	67	67	0	0	0	0	
			SLWD Reach 4 Subtotal:	5,700	5,700	0	0	0	0	
			Panoche Water District Total:	4,826	4,826	0	0	0	0	
			SLWD Total:	6,342	6,342	0	0	0	0	
			Westlands WD Reach 4 Subtotal:	8,592	8,527	0	37	28		

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
		Beginning and Ending				USBR	Transfer	DWR Recreation	USBR Recreation				
	No.	Structure	Mile										
5	16		110.52	(Reverse flow, Kings River)	0	12,156		1					
			Thru	Westlands Water District	12,156								
			122.05	Department of Fish and Game	1								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	10,001	10,001							
			Thru										
		Check No. 17	132.95										
	18		133.81	Westlands Water District	9,131	9,131							
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	6,232	6,232							
			143.16	City of Coalinga	241		241						
		Check No. 18	143.23										
				Westlands WD Reach 5 Subtotal:	37,521	37,520	0	1	0				
6	19		145.26	Westlands Water District	15,809	15,809							
			Thru										
			151.19										
		Check No. 19	155.64										
				Westlands WD Reach 6 Subtotal:	15,809	15,809	0	0	0				
7	20		156.34	City of Huron	46	46							
			156.40	Westlands Water District	10,049								
			Thru										
			163.69										
		Check No. 20	164.69										
	21		164.79	City of Avenal	141	141							
			167.04	Westlands Water District	2,174								
			Thru										
			171.67										
		Check No. 21	172.40		159,290								
				Reach 7 Total:	12,410	12,410	0	0	0				
				Westlands WD Total:	74,079	74,079	0	0	0				
				City of Coalinga Total:	241	241	0	0	0				
				City of Huron Total:	46	46	0	0	0				
				City of Avenal Total:	141	141	0	0	0				
				Phase I Water Total:	8	8	0	0	0				
Total San Luis Field Division Deliveries:					97,191	97,125	0	38	28				

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations

February 2002

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Jan 31	27,839								
1	28,140	301	0	3,511	86	78	1,168	2,163	136
2	27,784	-356	0	3,643	85	77	1,204	2,720	263
3	28,021	237	0	4,025	93	74	1,132	2,777	170
4	27,962	-59	0	3,285	109	88	1,186	2,053	122
5	27,945	-17	0	3,153	98	87	1,132	1,797	-47
6	27,446	-499	0	3,901	99	88	1,141	2,715	-109
7	27,510	64	0	4,215	105	89	1,257	2,654	-77
8	27,883	373	0	4,150	104	89	1,381	2,525	137
9	27,567	-316	0	4,771	104	87	1,358	3,560	179
10	28,299	732	0	4,887	117	87	1,479	3,144	309
11	27,904	-395	0	3,928	117	76	1,222	2,530	-182
12	28,006	102	0	4,549	115	96	1,368	2,835	-83
13	28,178	172	0	4,863	122	81	1,384	2,989	-201
14	28,507	329	0	5,062	138	98	1,480	3,159	-22
15	29,550	1,043	0	5,313	140	98	1,482	2,958	-109
16	29,390	-160	0	4,991	140	98	1,482	3,406	54
17	29,559	169	0	5,493	139	98	1,482	3,946	257
18	29,154	-405	0	3,762	130	99	1,484	2,387	134
19	29,127	-27	0	4,479	145	82	1,481	2,853	68
20	29,168	41	0	4,085	146	82	1,482	2,436	81
21	29,731	563	0	4,907	124	85	1,531	2,943	60
22	29,203	-528	0	4,444	125	86	1,533	3,123	157
23	28,666	-537	0	3,955	125	86	1,379	2,763	128
24	29,523	857	0	6,092	121	84	1,338	4,219	102
25	29,327	-196	0	4,230	131	88	1,251	2,859	0
26	29,584	257	0	4,468	109	81	1,152	3,075	79
27	29,488	-96	0	4,338	99	82	1,156	3,190	140
28	28,703	-785	0	3,654	98	89	1,443	2,527	108
Total		864	0	122,154	3,264	2,433	37,568	80,308	1,855
Mean cfs		---	0	4,363	117	87	1,342	2,868	66
Acre-feet		864	0	242,296	6,475	4,826	74,517	159,290	3,676

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

3/ Includes 707 AF AG & 1 AF M&I to Pacheco W.D. and 67 AF to the City of Dos Palos.

4/ Includes 46 AF to the City of Huron, 141 AF to the City of Avenal, 241 AF to the City of Coalinga, 8 AF

Phase I Water in Pool 16 @ Lat. 7R, 1 AF to F&G @ WWD Lateral 4L, and 1 AF to Broadview W.D.

Table 21. San Joaquin Field Division Plant Data

February 2002

(in acre-feet)

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	160	160	59	54	61	3,116	3,164	3,098	3,083
2	77	77	48	45	51	4,256	4,366	4,246	4,270
3	55	55	47	43	48	4,520	4,537	4,441	4,512
4	65	65	45	39	46	3,556	3,621	3,471	3,349
5	84	84	50	48	51	2,238	2,201	2,216	2,245
6	90	90	49	45	50	3,458	3,464	3,434	3,301
7	90	90	51	48	53	3,559	3,644	3,573	3,492
8	102	102	54	51	57	3,370	3,300	3,331	3,094
9	105	105	66	61	67	4,548	4,624	4,492	4,512
10	68	68	70	65	72	4,414	4,647	4,528	4,512
11	79	79	66	61	67	3,539	3,851	3,631	3,489
12	71	71	46	43	48	3,777	3,769	3,550	3,492
13	69	69	52	48	54	3,789	4,105	3,851	3,706
14	56	56	41	39	44	3,949	4,006	3,802	3,706
15	45	45	43	40	45	3,740	3,730	3,574	3,432
16	73	73	52	48	54	4,520	4,375	4,365	4,163
17	71	71	52	49	54	5,781	5,813	5,693	5,586
18	52	52	45	42	47	3,282	3,247	3,193	3,062
19	82	82	50	45	50	3,333	3,310	3,173	3,089
20	64	64	54	52	59	2,800	2,626	2,549	2,433
21	73	73	56	52	57	4,104	3,855	3,673	3,505
22	119	119	70	66	72	3,551	3,268	3,174	3,113
23	132	132	66	63	68	3,779	3,273	3,689	3,497
24	106	106	78	73	80	6,148	6,029	6,044	5,801
25	80	80	47	44	48	3,229	3,016	2,896	2,842
26	125	125	71	67	73	4,005	3,801	3,640	3,543
27	140	140	74	68	75	4,101	3,956	3,455	3,565
28	113	113	63	58	64	2,695	2,829	2,602	2,528
Total	2,446	2,446	1,565	1,457	1,615	107,157	106,427	103,384	100,922

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	USBR	2001-2 Special Carryover	Extended Carryover	Other		
	No.	Structure	Mile									
7	21	Check No. 21	172.40		159,290							
8C	22		172.66	Empire West Side Irrig. Dist.		750	74	101	327			
				TL - A	851							
				County of Kings								
8D			175.18	TL - A	0	892	570	51	70			
				TLBWSD TL-A	401							
				DRWD - 1	51							
31A			177.54	DRWD - 1B	70	892	570	412	23			
				TLBWSD - C	0							
				DRWD - 1A	412							
8D			180.64	DRWD - 2	915							
				Tulare Lake Basin WSD	570							
				TL - B								
8D			183.00	Coastal Branch	2,446	892	0	113	0	0		
				Dudley Ridge Water Dist.								
				DRWD - 3	113							
9	23		184.63	Dudley Ridge Reach 8D Total:	1,561	644	0	669	0	0		
				Tulare Lake Basin WSD Total:	971							
				Check No. 22	184.82							
9			189.69	Kern County Water Agency		717	1	283	1	23		
				Lost Hills Water Dist. - 1	1,000							
				Kern County Water Agency								
				Lost Hills Water Dist. - 2	2							
				Kern County Water Agency								
				Lost Hills Water Dist. - 3	81							
10A	24		194.22	Kern County Water Agency		58	58	259	0	0		
				Berrenda Mesa - 2	0							
				Kern County Water Agency								
				Lost Hills Water Dist. - 4	1,017							
				K.C.W.A. Reach 9 Subtotal:	2,100							
				Check No. 23	197.05							
10A	24		201.24	Kern County Water Agency		9	95	4	37	2/ 16,251		
				Lost Hills Water Dist. - 7	13							
				Kern County Water Agency								
				Lost Hills Water Dist. - 5	132							
				Kern County Water Agency								
				Lost Hills Water Dist. - 6	0							
10A	25		205.26	Kern County Water Agency		553	385	69	0	0		
				Lost Hills Water Dist. - 8	0							
				Check No. 24	207.94							
				Kern County Water Agency								
				Belridge Water Storage Dist. - 1A	622							
				Kern National Wildlife Refuge								
10A	25		209.71	USBR BV-1B	385	2,430	10,892	1/ 305	2/ 16,251			
				Kern County Water Agency								
				Buena Vista WSD 1B	2,430							
				KCWA Semitropic WSD	27,143							
				Kern National Wildlife Refuge	305							
				KCWA Semitropic WSD Penstocks	0							
10A	25			USBR Total:	690	0	690	0	0	0		
				K.C.W.A. Reach 10A Subtotal:	30,645							

1/ This water is the same as USBR takes at T228. Due to limitations at T228, they took this water at T225.

2/ Includes 6,919 AF of carryover from Alameda County FC&WDC Z-7 for storage in Semitropic WSD, 1,932 AF of SLWD's CVP water to Kern-Tulare, and 6,500 AF from Del Puerto WD and 900 AF from San Luis WD delivered to KCWA in exchange for a like amount returned later in the year.

Table 22b. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Federal Wheeling 2/	2001-2 Special Carryover	Extended Carryover	Other		
	No.	Structure	Mile									
11B	25	210.75	Kern County Water Agency Belridge - 2	0	145	3,910	18	486	486	486		
		214.11	Kern County Water Agency Belridge - 3	163								
		216.62	Kern County Water Agency Belridge - 4	0								
		217.13	Kern County Water Agency Belridge - 5	4,396								
			Kern County Water Agency Belridge - 5D	82	82	4,137	0	0	504	504		
		Check No. 25	217.79									
			K.C.W.A. Reach 11B Subtotal:	4,641								
12D	26	219.58	Kern County Water Agency Belridge - 6	0	9	2,685	163	100	97	97		
			Kern County Water Agency West Kern - 3	9								
		Check No. 26	224.92									
12E	27	230.37	Kern County Water Agency Buena Vista - 6	0	2,685	163	100	97	97	97		
		Check No. 27	231.73									
		235.75	Kern County Water Agency Buena Vista - 2	0								
			Kern County WA CVC	2,685								
			DRWD CVC	0								
			Tulare Co.	163								
		238.04	Hills Valley	100								
			Fresno Co.	97								
			Tri-Valley	35								
			Hacienda DWR Wells	0								
		Check No. 28	238.11									
			1/ Arvin Edison Total:	395		395	0	0	0	0		
			Reach 12E Subtotal:	3,089	2,694	395	0	0	0	0		
13B	29	238.19	Kern Water Bank Inflow	0	165	317	391	748	748	748		
			Kern Water Bank Outflow	0								
		241.02	Kern River Intertie (inflow)	0								
		242.85	KCWA Buena Vista WSD - 7	0								
		243.09	KCWA Buena Vista WSD - 5	556								
			Kern County Water Agency Buena Vista - 3	1,065								
		Check No. 29	244.54	Buena Vista WSD	0							
	30	249.85	Kern County Water Agency Buena Vista - 4	310	92	218	218	218	218	218		
		Buena Vista Pumping Plant	250.99									
14A	31		K.C.W.A. Reach 13B Subtotal:	1,931	574	0	0	1,357	0	0		
		254.47	Kern County Water Agency West Kern - 2	0	10	10	10	10	10	10		
		256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	10								

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Wheeling Federal Water for Friant Water Users Authority as per letter dated July 28, 1999.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries						
	Beginning and Ending					Entitle-ment	USBR	2001-2 Special Carryover	Extended Carryover	Other		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			56						
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	56							
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	663							
		Check No. 32	261.72							584		
				KCWA Reach 14A Subtotal:	729	145	0	0	584	0		
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	1,340	653						
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	116					687		
	Check No. 33		267.36									
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	1,184	1,184						
		Check No. 34	271.27									
				Reach 14B Total:	2,640	1,953	0	0	687	0		
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	756	756						
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	624							
				Reach 14C Total:	1,380	1,380	0	0	0	0		
15A	36	Teerink Pumping Plant	278.13		106,427	194						
			279.02	Kern County Water Agency Wheeler Ridge-Maricopa - 9A	194							
			280.06	Kern County Water Agency Wheeler Ridge-Maricopa - 10	1,143							
				Reach 15-A Total:	1,337	1,337	0	0	0	0		
16A	37	Chrisman Pumping Plant	280.36		103,384	4						
			282.06	Kern County Water Agency Wheeler Ridge-Maricopa - 11	0							
		Check No. 37	283.95									
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	4							
			286.39	Kern County Water Agency Wheeler Ridge-Maricopa - 13A	25							
			287.06	Kern County Water Agency Wheeler Ridge-Maricopa - 13	0							
	Check No. 38		287.09									
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	43							
		Check No. 39	290.21									
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	430	430						
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	53							
				Kern County Water Agency Tehachapi Cummings CWD	471					471		
				K.C.W.A. Reach 16A Subtotal:	1,026	555	0	0	471	0		
17E	Edmonston Pumping Plant	293.45			100,922							

Table 23. Governor Edmund G. Brown California Aqueduct
 San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	USBR	2001-2 Special Carryover	Extended Carryover	Other		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02	Green Valley Water District	2,446	40	582	14	239			
		Las Perillas Pumping Plant	1.16		2,446							
	C-2		3.79		0							
		Badger Hill Pumping Plant	4.27		2,446							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34		Castaic Lake WA (Devil's Den WD #1)							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
			13.30		Kern County Water Agency Berrenda Mesa - 3	54						
			14.83		Kern County Water Agency Berrenda Mesa - DD	0						
			14.86		Kern County Water Agency Berrenda Mesa - 1	821						
	Devil's Den Pumping Plant				1,565							
				K.C.W.A. Reach 31A Subtotal:		875	622	0	0	253		
				K.C.W.A. Total:		49,998	45,161	305	0	4,532		
										0		
										0		
33A	C-7	Bluestone Pumping Plant	19.05		1,457	123	411	1,073				
	C-8	Polonio Pass Pumping Plant	26.54		1,615							
	C-9	Tank Site 1	27.81		(CCWA) Polonio Pass Treatment Plant							
	C-10	Shandon T.O.	38.23		Santa Barbara County (CCWA)	1,196						
		Tank Site 2	58.63		Central Coast:	0						
34	C-11	Chorro Valley T.O.	69.31		San Luis Obispo County (CCWA)	411						
		Energy Dissipater	78.12									
	Lopez T.O.		85.86	SLOCFC & WCD		0	534	0	1,073	0		
35	C-12			CCWA Total:		1,607						
		Guadalupe T.O.	102.70	SBCFC & WCD		0						
		Santa Maria T.O.	107.43	SBCFC & WCD		0						
		So. Cal. Water T.O.	109.20	SBCFC & WCD		0	0	0	0	0		
38				SBCFC & WCD Total:		0						
	Tank Site 5											

Table 24. Southern Field Division Plant Data

(in acre-feet)

February 2002

Date	West Branch					East Branch								Devil Canyon Powerplant Generation
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant				
		Generation	Leakage	Generation	Pumpback	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume		
1	1,218	1,249	0	2,158	717	1,916	0	0	1,720	1,443	0	0	1,864	
2	2,246	1,194	0	250	719	2,037	0	0	1,904	2,008	0	0	1,699	
3	1,946	1,415	0	350	23	2,636	0	0	2,594	2,525	0	0	1,710	
4	1,390	1,461	0	2,535	1,246	1,998	0	0	1,938	2,137	0	0	2,011	
5	835	858	0	1,590	606	1,444	0	0	1,288	1,081	0	0	1,999	
6	1,235	1,453	0	1,693	361	2,070	0	0	1,944	1,741	0	0	2,038	
7	1,502	1,446	0	2,085	744	1,966	0	0	2,007	2,101	0	0	2,077	
8	1,055	1,465	0	2,728	1,413	2,105	0	0	1,990	2,098	0	0	2,072	
9	1,766	1,436	0	433	0	2,737	0	0	2,599	2,491	0	0	1,966	
10	1,766	1,486	0	441	244	2,713	0	0	2,599	2,597	0	0	2,074	
11	1,222	1,443	0	2,736	1,260	2,261	0	0	1,963	2,347	0	0	2,155	
12	1,519	1,443	0	1,579	536	1,968	0	0	1,901	1,726	0	0	2,112	
13	1,418	1,442	0	2,658	0	2,292	0	0	2,030	2,119	0	0	2,137	
14	1,460	1,454	0	3,093	504	2,204	0	0	2,042	1,991	0	0	2,359	
15	1,460	1,448	0	1,192	0	1,950	0	0	2,086	2,148	0	0	2,199	
16	1,584	1,431	0	345	0	2,669	0	0	2,499	2,152	0	0	2,210	
17	1,701	1,102	0	83	116	3,560	0	260	3,475	3,327	0	0	2,177	
18	892	1,266	0	2,236	1,318	2,118	0	74	2,360	2,746	0	0	2,133	
19	1,477	1,457	0	3,867	341	1,711	0	0	1,700	1,460	0	0	1,931	
20	719	1,260	0	2,755	0	1,461	0	139	1,378	1,444	0	0	1,777	
21	1,613	1,455	0	3,522	33	1,876	0	7	1,996	2,115	0	0	1,866	
22	1,446	1,474	0	2,673	1,832	1,686	0	0	1,586	1,655	0	0	1,902	
23	1,763	1,467	0	458	1,180	1,637	0	92	1,521	1,057	0	0	1,861	
24	2,282	1,472	0	1,705	1,944	3,419	0	105	3,203	3,305	0	0	1,964	
25	1,104	1,425	0	3,760	2,991	1,752	0	0	2,050	2,167	0	0	1,934	
26	1,554	1,454	0	5,317	671	1,646	0	197	2,055	1,706	0	0	1,710	
27	1,335	1,438	0	3,319	1,102	1,888	0	265	1,742	2,129	0	0	1,921	
28	1,055	1,447	0	2,463	1,501	1,485	0	0	1,362	1,615	0	0	1,642	
Total	40,563	38,841	0	58,024	21,402	59,205	0	1,139	57,532	57,431	0	0	55,500	

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural		
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek		
Jan 31	2572.51	162,910									
1	2572.22	162,546	-364	717	1,249	30	2,158	0	12	-190	
2	2573.52	164,182	1,636	719	1,194	30	250	0	12	-45	
3	2574.37	165,257	1,075	23	1,415	30	350	0	12	-31	
4	2574.48	165,396	139	1,246	1,461	30	2,535	0	12	-51	
5	2574.23	165,080	-316	606	858	29	1,590	0	12	-207	
6	2574.42	165,320	240	361	1,453	28	1,693	0	12	103	
7	2574.50	165,422	102	744	1,446	29	2,085	0	12	-20	
8	2574.58	165,523	101	1,413	1,465	29	2,728	0	12	-66	
9	2575.19	166,299	776	0	1,436	28	433	0	12	-243	
10	2576.20	167,588	1,289	244	1,486	27	441	0	12	-15	
11	2576.07	167,421	-167	1,260	1,443	27	2,736	0	12	-149	
12	2576.39	167,831	410	536	1,443	27	1,579	0	12	-5	
13	2575.39	166,553	-1,278	0	1,442	27	2,658	0	19	-70	
14	2574.45	165,358	-1,195	504	1,454	27	3,093	0	20	-67	
15	2574.63	165,587	229	0	1,448	27	1,192	0	20	-34	
16	2575.39	166,553	966	0	1,431	27	345	1	20	-126	
17	2576.26	167,664	1,111	116	1,102	27	83	0	20	-31	
18	2576.52	167,997	333	1,318	1,266	27	2,236	0	20	-22	
19	2574.92	165,955	-2,042	341	1,457	27	3,867	0	20	20	
20	2573.76	164,485	-1,470	0	1,260	27	2,755	0	20	18	
21	2572.15	162,459	-2,026	33	1,455	28	3,522	0	20	0	
22	2572.63	163,061	602	1,832	1,474	28	2,673	0	20	-39	
23	2574.35	165,232	2,171	1,180	1,467	28	458	0	20	-26	
24	2575.66	166,898	1,666	1,944	1,472	29	1,705	0	20	-54	
25	2576.17	167,549	651	2,991	1,425	29	3,760	0	20	-14	
26	2573.63	164,321	-3,228	671	1,454	29	5,317	0	20	-45	
27	2573.03	163,564	-757	1,102	1,438	28	3,319	0	20	14	
28	2573.39	164,018	454	1,501	1,447	28	2,463	0	20	-39	
Total				1,108	21,402	38,841	787	58,024	1	463	-1,434

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,746 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
							Natural	Project		
Jan 31	1517.87	22,342								
1	1515.86	21,511	-831	2,158	3	717	3	2,264	-8	
2	1514.67	21,027	-484	250	3	719	3	0	-15	
3	1515.44	21,339	312	350	2	23	2	0	-15	
4	1509.02	18,809	-2,530	2,535	2	1,246	2	3,814	-5	
5	1511.62	19,813	1,004	1,590	2	606	2	0	20	
6	1506.28	17,780	-2,033	1,693	2	361	2	3,361	-4	
7	1509.99	19,180	1,400	2,085	2	744	2	0	59	
8	1504.04	16,961	-2,219	2,728	2	1,413	2	3,526	-8	
9	1505.24	17,397	436	433	2	0	2	0	3	
10	1505.79	17,599	202	441	2	244	2	0	5	
11	1509.81	19,111	1,512	2,736	2	1,260	2	0	36	
12	1503.03	16,597	-2,514	1,579	2	536	2	3,552	-5	
13	1510.19	19,257	2,660	2,658	2	0	2	0	2	
14	1509.46	18,977	-280	3,093	2	504	2	2,866	-3	
15	1504.41	17,095	-1,882	1,192	2	0	2	3,067	-7	
16	1505.51	17,496	401	345	2	0	2	0	56	
17	1505.51	17,496	0	83	2	116	2	0	33	
18	1508.02	18,430	934	2,236	2	1,318	2	0	16	
19	1507.99	18,419	-11	3,867	2	341	2	3,534	-3	
20	1514.87	21,107	2,688	2,755	2	0	2	0	-67	
21	1514.90	21,120	13	3,522	2	33	2	3,474	-2	
22	1509.14	18,855	-2,265	2,673	2	1,832	2	3,098	-8	
23	1507.27	18,149	-706	458	2	1,180	2	0	16	
24	1506.67	17,925	-224	1,705	2	1,944	2	0	15	
25	1508.57	18,638	713	3,760	2	2,991	2	0	-56	
26	1511.53	19,778	1,140	5,317	1	671	1	3,505	-1	
27	1516.87	21,926	2,148	3,319	1	1,102	1	0	-69	
28	1510.57	19,404	-2,522	2,463	1	1,501	1	3,483	-1	
Total				-2,938	58,024	55	21,402	55	39,544	-16

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Jan 31	1492.06	274,791								
1	1492.32	275,319	528	3	2,264	6	1,671	0	-74	
2	1491.54	273,737	-1,582	3	0	6	1,649	0	58	
3	1490.73	272,100	-1,637	2	0	5	1,644	0	0	
4	1491.75	274,163	2,063	2	3,814	5	1,810	0	52	
5	1490.88	272,403	-1,760	2	0	5	1,808	0	41	
6	1491.64	273,940	1,537	2	3,361	5	1,936	0	105	
7	1490.73	272,100	-1,840	2	0	5	1,898	0	51	
8	1491.60	273,859	1,759	2	3,526	5	1,750	0	-24	
9	1490.74	272,120	-1,739	2	0	5	1,704	0	-42	
10	1489.93	270,491	-1,629	2	0	5	1,717	0	81	
11	1488.94	268,500	-1,991	2	0	4	1,886	0	-111	
12	1489.78	270,189	1,689	2	3,552	4	1,963	0	94	
13	1488.79	268,200	-1,989	2	0	4	1,915	0	-80	
14	1489.37	269,364	1,164	2	2,866	4	1,803	0	95	
15	1490.01	270,649	1,285	2	3,067	3	1,832	8	53	
16	1489.12	268,862	-1,787	2	0	3	1,747	10	-35	
17	1488.34	267,298	-1,564	2	0	5	1,633	10	72	
18	1487.50	265,620	-1,678	2	0	4	1,660	10	-14	
19	1488.41	267,438	1,818	2	3,534	3	1,681	10	-30	
20	1487.72	266,059	-1,379	2	0	3	1,414	10	40	
21	1488.97	268,561	2,502	2	3,474	3	981	0	4	
22	1489.97	270,571	2,010	2	3,098	3	1,150	0	57	
23	1489.33	269,283	-1,288	2	0	3	1,288	0	-5	
24	1488.72	268,059	-1,224	2	0	4	1,227	0	-3	
25	1488.09	266,798	-1,261	2	0	4	1,199	0	-68	
26	1489.11	268,842	2,044	1	3,505	4	1,410	0	-56	
27	1488.30	267,218	-1,624	1	0	4	1,553	0	-76	
28	1489.21	269,042	1,824	1	3,483	4	1,697	0	33	
Total				-5,749	55	39,544	118	45,626	58	218

Table 28. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Rec.	Local	2001-2 Special Carryover	Extended Carryover		
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		40,563							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Removed		1					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07		38,841							
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	1		1					
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0							
		Castaic Power Plant	25.82	(21,402 AF pumpback)	58,024							
29J	W4	Elderberry Forebay					3					
		Forebay Dam	28.12									
		Castaic Lake		Calif. State Park Castaic Lake Recreation	3							
30 1/	W5	Castaic Dam	31.47				9,934 33,018 154					
				MWD - 78"	9,934							
				MWD - 132"	33,018							
		Castaic Lake Outlet	31.55	Castaic Lake WA - T1	1,192							
				Castaic Lake WA	1,325							
				United Water Conservation Dist.	0							
				MWD - Ventura County FCD	154							
				LA Co. Parks & Recreation	0							
				Releases to Lagoon	58							
				Reach 30 Subtotal:	45,626		43,106	3	0	2,517		
	W6	Castaic Lagoon		Recreation to Lagoon	0							
		Castaic Lagoon Outlet	31.87		116							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
							Project	Del. To Mojave W.A.	Natural To Mojave River				
Jan 31	3349.48	69,688											
1	3348.97	69,210	-478	1,443	0	1	3	0	1,864	0	0	-55	
2	3349.38	69,594	384	2,008	0	1	3	0	1,699	0	0	77	
3	3350.07	70,242	648	2,525	0	2	3	0	1,710	0	1	-165	
4	3350.35	70,506	264	2,137	0	2	3	0	2,011	0	0	139	
5	3349.31	69,528	-978	1,081	0	2	5	0	1,999	0	0	-57	
6	3348.94	69,182	-346	1,741	0	2	6	0	2,038	0	1	-44	
7	3349.10	69,332	150	2,101	0	2	6	0	2,077	0	0	130	
8	3348.95	69,192	-140	2,098	0	2	7	0	2,072	0	0	-161	
9	3349.58	69,782	590	2,491	0	2	4	0	1,966	0	1	68	
10	3350.11	70,280	498	2,597	0	2	3	0	2,074	0	0	-24	
11	3350.26	70,421	141	2,347	0	2	5	1	2,155	0	0	-47	
12	3350.05	70,223	-198	1,726	0	2	7	0	2,112	0	1	194	
13	3350.00	70,176	-47	2,119	0	2	4	0	2,137	0	0	-27	
14	3349.59	69,791	-385	1,991	0	2	4	0	2,359	0	0	-15	
15	3349.55	69,753	-38	2,148	0	2	4	0	2,199	0	1	16	
16	3349.58	69,782	29	2,152	0	2	4	0	2,210	0	0	89	
17	3350.80	70,932	1,150	3,327	0	4	3	0	2,177	0	0	-1	
18	3351.45	71,549	617	2,746	0	4	3	0	2,133	0	1	4	
19	3350.87	70,998	-551	1,460	0	3	4	0	1,931	0	0	-79	
20	3350.53	70,676	-322	1,444	0	2	4	0	1,777	0	1	14	
21	3350.91	71,036	360	2,115	0	2	3	0	1,866	0	1	113	
22	3350.73	70,865	-171	1,655	0	2	3	0	1,902	0	0	77	
23	3349.68	69,876	-989	1,057	0	2	4	0	1,861	0	0	-183	
24	3351.17	71,283	1,407	3,305	0	2	4	0	1,964	0	1	69	
25	3351.55	71,644	361	2,167	0	2	5	0	1,934	0	0	131	
26	3351.48	71,577	-67	1,706	0	2	3	0	1,710	0	0	-62	
27	3351.71	71,796	219	2,129	0	1	4	0	1,921	0	1	15	
28	3351.55	71,644	-152	1,615	0	1	4	0	1,642	0	0	-122	
Total				1,956	57,431	0	57	115	1	55,500	0	10	94
												14	

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

February 2002

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jan 31	1582.47	114,408				
1	1582.43	114,320	-88		276	
2	1582.41	114,276	-44		278	
3	1582.41	114,276	0		277	
4	1582.39	114,232	-44		277	
5	1582.40	114,254	22		287	
6	1582.30	114,034	-220		277	
7	1582.25	113,924	-110		277	
8	1582.17	113,748	-176		277	
9	1582.09	113,572	-176		277	
10	1582.06	113,506	-66		277	
11	1581.98	113,330	-176		277	
12	1581.95	113,264	-66		277	
13	1581.89	113,132	-132		278	
14	1581.84	113,022	-110		277	
15	1581.82	112,979	-43		277	
16	1581.83	113,000	21		276	
17	1581.77	112,869	-131		279	
18	1581.74	112,803	-66		276	
19	1581.73	112,781	-22		278	
20	1581.73	112,781	0		277	
21	1581.73	112,781	0		277	
22	1581.63	112,562	-219		277	
23	1581.64	112,584	22		204	
24	1581.69	112,693	109		43	
25	1581.79	112,913	220		9	
26	1582.07	113,528	615		111	
27	1582.44	114,342	814		360	
28	1582.57	114,629	287		91	
Total			221	8,882	6,924	-1,737

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Rec.	Transfer 1/	2001-2 Special Carryover	Transfer Local Out		
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		100,922							
	41		298.65	Kern County Water Agency Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42	Check No. 42	304.99									
19	43	Alamo Powerplant	305.73	(Does not include 1,139 AF flow down Cottonwood Chute)	59,205				59			
			308.05	Antelope Valley-East Kern WA	59							
		Check No. 43	309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West	0							
		Check No. 44	314.81									
	45		314.93	AVEK 235th Street West	2							
			315.57	AVEK 225th Street West	0							
		Check No. 45	319.74									
	46		323.19	Antelope Valley-East Kern WA Fairmont	492							
			323.84									
				Reach 19 Total:	553							
20A	47	Check No. 47	326.77						31			
	48		326.91	Antelope Valley-East Kern WA Willow Springs Siphon	31							
			329.65	Antelope Valley-East Kern WA 120th Street West	Re- moved							
		Check No. 48	330.82									
	49	Check No. 49	335.93									
	50		336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0		426	27	656			
				Antelope Valley-East Kern WA	1,082							
			339.68	Antelope Valley-East Kern WA	27							
20B	51	Check No. 50	341.51									
	52	Check No. 51	342.07									
	53		342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use		646	85				
		Check No. 52	343.74									
	54		346.98	PWD Palmdale	646							
21			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	85							
55	Check No. 53	348.17										
56	Check No. 54	350.25										
57	Check No. 55	352.70										
		354.97	Littlerock Creek I.D.	0								
22A	58	Check No. 56	354.76						4			
		Check No. 57	356.93									
			357.60	Antelope Valley-East Kern WA	4							
			357.72	Antelope Valley-East Kern WA 96th Street East	25				25			
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	212							

1/ AVEK transferred this water to Mojave Water Agency.

Table 31b. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

February 2002

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries							
	Beginning and Ending					Entitlement	Rec.	Ex-change	2001-2 Special Carryover	Extended Carryover	Local		
	No.	Structure	Mile										
22B	58	Pearblossom Pumping Plant	360.61		57,532	145	14	1	1,420	880	14		
	59	Check No. 59	366.09										
	60	Check No. 60	373.94										
	61	Check No. 61	379.00										
	62	Check No. 62	384.26										
	63	Check No. 63	389.20		Mojave Water Agency Mojave River 0								
	64	Check No. 64	395.10										
	65	Check No. 65	400.32										
	66		401.10		Mojave Water Agency Morongo 24" and 42" 145								
					Mojave Water Agency Hesperia 0								
23	Check No. 66	403.41											
	Mojave Siphon	405.48	Las Flores Ranch		14								
24	Mojave Siphon Powerplant	405.65			57,431	115	1	1	1,420	880	14		
	Silverwood Lake	407.65	Crestline Lake Arrowhead Water Agency		115								
25			Calif. State Park Silverwood Agency (Rec.)		1								
San Bernardino Tunnel	411.46			55,500									
26A			San Gorgonio Pass Water Agency		0								
	Devil Canyon Powerplant	412.73			55,500	20,859	56	1,420	880	14			
	Devil Canyon Afterbay Control Structures	412.88	MWD-SC Rialto		20,859								
			Desert Water Agency (MWD Wheeling Exchange)		0								
			San Gabriel Valley Water District		1,476								
			Coachella Valley WD (MWD Wheeling Exchange)		0								
			San Bernardino Valley MWD 24" and 72"		880								
			San Bernardino Valley MWD 48"		0								
			MWD (SBVMWD Exchange)		0								
28G	Santa Ana Valley Pipeline	425.46											
28H		433.06	MWD-SC Box Springs		4,703	4,703	19,104	255	2,204	4,442	14		
		440.05	MWD-SC Perris Bypass Pipeline		19,104								
28J	Lake Perris	442.00	MWD-SC 18"		255	23	0	0	1,192	1,667	14		
		443.44	MWD-SC 54"		2,204								
			MWD-SC 78"		4,442								
			Calif. State Park Lake Perris Recreation		23								
			MWD Total:		95,865	93,006	0	0	1,192	1,667			

Table 32. Water Quality At Selected SWP Locations

February 2002

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	41	104	92	121	92	92	88	90	82
Antimony	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.2	0.2	0.4	0.2	0.2	0.1	0.2	0.2
Bromide	mg/l	<0.01	0.05	0.15	0.34	0.14	0.15	0.12	0.13	0.21
Calcium	mg/l	8	16	23	58	23	23	22	23	22
Carbon - Dissolved Organic	mg/l as C	NR	8.7	4.0	3.8	4.4	4.5	4.7	4.8	4.6
Carbon - Total Organic	mg/l as C	NR	11.1	4.8	4.1	5.0	4.9	5.0	6.4	5.2
Chloride	mg/l	<1	31	49	105	49	48	42	46	72
Chromium	mg/l	0.003	0.007	0.006	0.007	0.005	0.005	0.005	0.005	0.005
Copper	mg/l	<0.001	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.003
Fluoride	mg/l	<0.1	0.1	0.1	0.1	0.1	0.1	0.1	<0.1	0.1
Hardness	mg/l as CaCO ₃	36	106	111	277	111	111	104	111	108
Iron	mg/l	0.007	0.086	0.053	<0.005	0.021	0.034	0.049	0.047	0.023
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	16	13	32	13	13	12	13	13
Manganese	mg/l	<0.005	0.039	0.015	<0.005	0.007	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	0.05	0.35	1.00	NR	NR	1.10	NR	1.10	1.30
Phosphorus-Ortho	mg/l as P	<0.01	0.10	0.07	NR	NR	0.07	NR	0.08	0.09
Phosphorus-Total	mg/l	0.02	0.19	0.09	NR	NR	0.10	NR	0.13	0.13
Selenium	mg/l	<0.001	<0.001	0.001	NR	NR	NR	<0.001	NR	NR
Sodium	mg/l	3	38	39	131	38	38	32	36	49
Specific Conductance	µS/cm	91	391	445	857	443	445	402	431	496
Sulfate	mg/l	2	38	44	109	44	45	38	43	45
Total Dissolved Solids	mg/l	60	240	263	498	258	260	237	247	282
Turbidity	NTU	4	39	9	18	8	13	7	19	5
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.026	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

February 2002

Date	Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in millSiemens/cm									Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	(Antioch) Daily Mean		Mean Daily	Monthly Average											
	Hi	Half		md	md	md	md	14dm	md	14dm	md	md	md	md	
1	2.08	0.43	11,219	11,219	15,426	0.54	1.52	0.25	0.24	0.29	0.26	0.37	0.97	0.56	50
2	2.13	0.47	10,701	10,960	15,111	0.53	1.51	0.26	0.25	0.30	0.26	0.40	0.99	0.58	49
3	2.13	0.27	10,196	10,706	14,917	0.51	1.23	0.25	0.25	0.30	0.27	0.43	1.00	0.56	45
4	2.19	0.24	9,885	10,501	14,434	0.51	1.22	0.25	0.25	0.31	0.27	0.32	1.00	0.59	44
5	2.49	0.38	9,244	10,249	13,864	0.53	1.36	0.25	0.25	0.33	0.28	0.33	1.00	0.54	43
6	2.71	0.57	9,002	10,041	13,527	0.55	1.93	0.26	0.25	0.35	0.29	0.33	0.99	0.51	38
7	2.96	0.86	8,811	9,866	13,029	0.64	2.53	0.28	0.26	0.36	0.30	0.36	0.98	0.57	37
8	2.73	0.79	9,907	9,871	13,472	0.66	2.32	0.27	0.26	0.37	0.30	0.36	0.99	0.62	37
9	2.55	0.58	10,096	9,896	13,177	0.62	1.83	0.27	0.26	0.35	0.31	0.38	0.97	0.62	38
10	2.49	0.52	9,868	9,893	13,248	0.63	1.87	0.27	0.26	0.36	0.32	0.36	0.94	0.57	37
11	2.57	0.59	9,885	9,892	13,302	0.62	1.97	0.28	0.26	0.36	0.32	0.66	0.97	0.58	36
12	2.68	0.81	10,256	9,923	12,926	0.74	2.34	0.29	0.26	0.38	0.33	0.66	0.98	0.56	39
13	2.65	0.87	8,301	9,798	12,285	0.79	2.91	0.28	0.27	0.38	0.34	0.66	0.98	0.55	42
14	2.48	0.79	8,359	9,695	12,021	0.80	3.23	0.28	0.27	0.38	0.34	0.66	0.99	0.59	41
15	2.29	0.83	9,186	9,661	11,875	0.81	3.45	0.28	0.27	0.38	0.35	0.66	0.99	0.55	42
16	2.12	0.78	9,487	9,650	11,620	0.80	3.22	0.28	0.27	0.38	0.36	0.66	1.00	0.56	45
17	2.50	1.00	10,619	9,707	12,055	0.74	3.37	0.27	0.27	0.39	0.36	0.66	1.00	0.54	44
18	2.42	0.79	12,818	9,880	12,698	0.68	2.87	0.26	0.27	0.38	0.37	0.66	0.93	0.53	46
19	2.46	0.71	11,821	9,982	12,880	0.71	2.60	0.25	0.27	0.38	0.37	0.66	0.86	0.45	46
20	2.52	0.70	11,893	10,078	13,466	0.71	2.68	0.26	0.27	0.38	0.37	0.66	0.89	0.50	48
21	2.55	0.72	13,508	10,241	16,785	0.61	2.74	0.26	0.27	0.39	0.38	0.66	0.83	0.58	54
22	2.75	0.84	15,455	10,478	24,337	0.71	2.79	0.26	0.27	0.39	0.38	0.66	0.88	0.60	60
23	3.24	1.28	22,664	11,008	26,169	0.73	3.17	0.25	0.27	0.41	0.38	0.66	0.92	0.59	57
24	3.10	1.03	23,673	11,536	23,016	0.50	1.97	0.23	0.27	0.38	0.38	0.66	0.94	0.62	67
25	3.11	1.00	19,787	11,866	19,600	0.59	1.70	0.22	0.26	0.37	0.38	0.66	0.95	0.70	67
26	3.07	0.96	17,294	12,074	17,579	0.55	1.70	0.20	0.26	0.36	0.38	0.66	0.96	0.62	69
27	3.13	1.06	15,525	12,202	16,160	0.45	1.80	0.20	0.25	0.36	0.38	0.66	0.96	0.61	70
28	3.04	1.24	13,682	12,255	15,364	0.56	1.85	0.21	0.25	0.36	0.38	0.66	0.97	0.59	74

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

dm = Daily Mean

s = Balanced water conditions with storage withdrawals.

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

February 2002

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 19, 2001	Toluene 2,4-Dichlorophenylacetic acid (DCAA)	1.1 1.06
California Aqueduct At Banks Pumping Plant	September 19, 2001	Toluene 2,4-Dichlorophenylacetic acid (DCAA)	0.73 0.909
O'Neill Forebay Outlet Check 13	September 19, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.88
Delta Mendota Canal At McCabe Road	September 19, 2001	2,4-Dichlorophenylacetic acid (DCAA) Methyl tert-butyl ether (MTBE)	0.94 1.2
California Aqueduct Near Kettleman City (Check 21)	September 19, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.82
California Aqueduct At Near Highway 119 (Check 21)	September 18, 2001	2,4-Dichlorophenylacetic acid (DCAA)	1.00
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	September 17, 2001	2,4-Dichlorophenylacetic acid (DCAA)	0.81

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

February 2002

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	830,592	9,792	4,263	8,134	3,129,024	3,129,024	1,740	266
2	751,968	11,520	3,647	7,896	3,167,424	3,167,424	14,700	263
3	587,808	8,640	1,946	6,370	3,121,152	3,121,152	14,020	263
4	1,767,456	7,776	4,662	8,890	3,056,064	3,056,064	15,135	266
5	1,128,672	7,776	4,438	10,962	3,120,768	3,120,768	15,740	265
6	1,171,008	10,368	7,896	10,276	3,112,128	3,112,128	15,515	444
7	1,363,680	9,216	9,429	12,691	3,118,080	3,118,080	15,290	579
8	712,224	10,368	11,102	14,504	3,106,944	3,106,944	14,885	578
9	816,480	241,920	9,800	12,229	3,111,360	3,111,360	13,715	573
10	0	6,521,184	10,479	15,316	3,119,424	3,119,424	13,125	569
11	1,210,176	20,736	10,528	14,035	2,905,728	2,905,728	14,260	401
12	1,388,160	6,624	11,417	14,364	2,915,904	2,915,904	13,880	282
13	1,710,720	5,472	8,498	12,131	2,874,240	2,874,240	14,740	290
14	1,520,064	4,032	8,659	11,984	2,834,304	2,834,304	14,730	264
15	1,115,424	8,352	7,427	10,409	2,319,744	2,319,744	13,980	260
16	597,600	9,792	7,119	10,892	2,046,336	2,046,336	11,570	256
17	751,392	10,656	2,877	7,889	1,770,432	1,770,432	11,950	259
18	1,102,464	9,216	3,941	7,896	1,694,592	1,694,592	11,685	259
19	1,738,368	4,896	4,536	8,001	1,436,160	1,436,160	10,320	257
20	1,318,752	8,352	4,249	8,379	2,465,280	2,465,280	1,175	268
21	917,280	9,504	7,336	9,856	2,658,240	2,658,240	1,150	295
22	844,416	10,368	7,756	11,683	2,922,240	2,922,240	1,105	296
23	36,576	375,840	7,532	11,039	3,010,560	3,010,560	1,090	282
24	12,960	5,455,584	6,377	11,025	3,667,584	3,667,584	1,110	281
25	653,184	2,486,880	2,744	5,887	3,657,216	3,657,216	4,095	248
26	1,151,712	6,624	3,598	5,950	2,849,664	2,849,664	9,310	217
27	1,408,608	5,472	4,144	5,950	2,276,928	2,276,928	21,770	214
28	1,150,272	8,064	4,837	11,123	1,831,104	1,831,104	9,295	210
Total	27,758,016	15,285,024	181,237	285,761	77,298,624	77,298,624	301,080	8,905

Table 36. San Luis Field Division Energy Data

(in kWh)

February 2002

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	935,568	653,568	0	0	4,312,224	2,971,224
2	982,080	700,080	0	0	4,124,736	2,783,736
3	1,083,600	795,600	0	0	5,368,320	1,792,320
4	881,856	599,856	0	0	3,507,552	2,166,552
5	845,136	563,136	0	0	3,430,656	2,089,656
6	1,043,856	761,856	0	0	4,192,704	3,274,704
7	1,136,736	749,736	0	0	3,362,976	2,426,976
8	1,129,104	742,104	0	0	2,800,512	2,800,512
9	1,339,344	952,344	0	0	3,108,960	2,380,960
10	1,342,080	958,080	0	0	3,367,008	871,008
11	1,083,024	696,024	0	0	3,093,408	2,625,408
12	1,252,368	865,368	0	0	2,591,136	2,123,136
13	1,329,264	942,264	0	0	1,867,680	1,867,680
14	1,382,832	995,832	0	0	640,800	640,800
15	1,470,384	948,384	0	0	23,904	23,904
16	1,392,912	870,912	948,672	-11,328	14,400	14,400
17	1,492,992	964,992	0	0	24,192	24,192
18	1,033,632	511,632	468,000	-12,000	14,112	14,112
19	1,230,768	708,768	415,584	-16,416	16,128	16,128
20	1,120,896	598,896	366,912	-17,088	428,256	428,256
21	1,335,456	813,456	363,168	-20,832	114,048	114,048
22	1,203,696	681,696	642,816	-29,184	1,383,264	1,383,264
23	1,069,776	547,776	814,464	-49,536	1,663,776	1,663,776
24	1,644,624	1,116,624	0	0	3,521,664	3,521,664
25	1,150,272	628,272	506,304	-69,696	2,900,160	2,900,160
26	1,237,392	715,392	509,184	-66,816	2,464,704	2,464,704
27	1,197,792	675,792	466,560	-109,440	2,267,424	2,267,424
28	1,003,104	533,104	0	0	2,456,352	2,456,352
Total	33,350,544	21,291,544	5,501,664	-402,336	63,061,056	48,107,056

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data
 February 2002

(in kWh)

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	11,904	30,064	42,966	40,716	43,758	760,248	844,416	1,927,008	6,991,200
2	6,198	15,104	35,928	34,308	37,224	1,020,456	1,162,728	2,586,816	9,658,800
3	4,690	11,368	34,488	32,490	35,568	1,085,256	1,189,944	2,702,016	10,199,520
4	5,450	12,560	33,084	31,176	33,606	856,656	952,920	2,138,688	7,655,040
5	6,594	15,752	36,342	34,920	37,188	545,616	587,664	1,339,488	4,992,480
6	6,982	17,424	35,586	33,768	36,396	833,832	907,560	2,058,336	7,476,480
7	6,970	16,984	37,962	36,036	38,646	856,728	954,864	2,136,960	7,905,600
8	7,600	19,032	39,654	37,782	41,040	812,376	866,376	2,013,984	6,994,080
9	7,798	19,600	47,448	45,054	47,772	1,140,336	1,216,512	2,728,512	10,193,760
10	5,286	13,184	50,670	48,078	51,030	1,075,464	1,213,848	2,745,216	10,172,160
11	6,080	14,632	48,042	45,216	48,258	863,640	1,004,328	2,212,128	7,884,000
12	5,574	13,128	34,362	32,454	34,974	918,504	976,176	2,170,080	7,891,200
13	5,480	13,960	38,394	36,432	38,898	923,256	1,053,864	2,354,976	8,382,240
14	4,652	10,912	36,450	34,938	38,358	955,008	1,025,496	2,322,720	8,379,360
15	3,910	9,176	31,644	30,456	32,832	893,376	973,728	2,174,688	7,765,920
16	5,824	13,952	38,358	36,558	39,150	1,080,000	1,167,408	2,637,792	9,400,320
17	5,698	13,952	38,502	36,414	39,042	1,378,368	1,541,952	3,442,752	12,609,360
18	4,352	10,432	32,904	31,554	33,732	789,048	859,320	1,920,096	6,937,200
19	6,360	15,840	36,918	34,056	36,342	811,368	874,872	1,918,656	7,017,120
20	5,156	12,320	39,906	38,124	42,192	678,240	691,488	1,543,680	5,398,560
21	5,740	13,920	40,608	38,484	40,986	988,272	1,008,864	2,236,320	7,931,520
22	8,886	21,552	50,814	47,646	51,246	852,768	858,168	1,905,408	7,038,720
23	9,936	27,128	47,520	45,468	48,366	908,640	999,360	2,208,960	7,937,280
24	8,332	20,904	56,574	52,668	56,790	1,490,112	1,587,600	3,610,944	13,123,440
25	6,024	16,336	34,272	32,976	34,722	779,904	794,160	1,728,000	6,444,000
26	9,334	24,600	51,606	48,924	52,560	965,592	986,544	2,217,600	8,030,880
27	10,312	26,208	53,010	50,292	53,802	992,952	1,030,032	2,268,576	7,853,760
28	8,958	23,384	45,900	42,858	45,738	667,008	740,448	1,569,024	5,649,840
Total	190,080	473,408	1,149,912	1,089,846	1,170,216	25,923,024	28,070,640	62,819,424	227,913,840

Table 38. Southern Field Division Energy Data

(in kWh)

February 2002

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	327,488	723,528	1,416,000	225,260	1,153,968	2,321,376	117,159
2	597,072	730,944	1,416,000	251,160	1,273,920	2,121,888	163,548
3	519,960	877,248	1,416,000	321,972	1,736,304	2,135,616	194,208
4	372,456	908,136	1,440,000	239,120	1,285,560	2,497,536	165,249
5	224,504	530,208	1,440,000	172,004	864,732	2,484,768	86,982
6	331,968	899,928	1,440,000	247,716	1,307,532	2,526,336	137,970
7	406,952	899,280	1,440,000	240,632	1,349,400	2,568,480	168,273
8	272,328	912,600	1,440,000	254,688	1,343,304	2,554,560	167,265
9	469,616	899,928	1,440,000	332,276	1,754,916	2,433,408	192,675
10	466,816	930,384	1,440,000	330,624	1,757,856	2,546,016	199,626
11	325,584	902,520	1,440,000	273,812	1,332,840	2,649,792	180,579
12	408,240	902,016	1,440,000	237,020	1,280,244	2,601,696	141,435
13	385,000	900,288	1,440,000	278,236	1,357,908	2,626,272	164,073
14	395,752	907,128	1,440,000	265,636	1,381,260	2,892,096	152,439
15	395,080	903,240	1,440,000	233,016	1,396,020	2,700,288	164,934
16	428,176	898,416	1,440,000	315,336	1,665,432	2,713,344	165,900
17	458,248	690,264	1,440,000	419,832	2,334,192	2,688,480	272,076
18	242,984	794,736	1,440,000	249,088	1,573,440	2,640,480	205,443
19	394,520	911,592	1,440,000	201,880	1,136,748	2,399,136	107,121
20	194,208	791,064	1,440,000	171,752	920,328	2,136,288	108,864
21	433,216	907,776	1,440,000	223,552	1,324,344	2,295,264	165,102
22	389,256	918,720	1,440,000	201,292	1,050,624	2,325,216	135,429
23	469,728	917,208	1,440,000	192,024	1,007,508	2,275,104	71,778
24	604,912	918,720	1,440,000	405,552	2,118,816	2,414,016	270,837
25	297,248	892,656	1,440,000	206,808	1,355,256	2,376,384	171,822
26	416,304	910,080	1,440,000	194,124	1,363,740	2,116,992	125,265
27	358,344	902,160	1,440,000	218,960	1,156,368	2,350,848	171,549
28	284,256	889,128	1,440,000	182,588	904,080	2,044,416	127,638
Total	10,870,216	24,169,896	40,248,000	7,085,960	38,486,640	68,436,096	4,495,239